

Datasheet for ABIN7566302

IL-6 Receptor Protein (AA 20-357) (Fc Tag)



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Overview

Quantity:	50 µg
Target:	IL-6 Receptor (IL6R)
Protein Characteristics:	AA 20-357
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-6 Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	IL-6R (mouse):Fc (mouse) (rec.)
Cross-Reactivity:	Mouse
Characteristics:	The extracellular domain of mouse IL-6R (aa 20-357) is fused to the N-terminus of the Fc region of mouse IgG2a.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<1EU/mg protein (LAL test, Lonza).
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.

Target Details

Target:	IL-6 Receptor (IL6R)
Alternative Name:	IL-6R (IL6R Products)
Background:	<p>Interleukin-6 Receptor Subunit alpha, IL6RA, CD126</p> <p>Interleukin 6 receptor (IL-6R, CD126) is a type I cytokine receptor, which is a protein complex consisting of an IL-6 receptor subunit (IL-6R) and interleukin 6 signal transducer glycoprotein 130 (gp130). It is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. Dysregulated production of IL-6 and IL-6R are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer.</p>
Molecular Weight:	~70-85kDa
Pathways:	JAK-STAT Signaling , Autophagy , Growth Factor Binding , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C, -20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.</p>